

## VALVE ASSEMBLY OF A RECIPROCAL COMPRESSOR

### ABSTRACT OF THE DISCLOSURE

- 5 A valve assembly of a close-type reciprocal compressor. The valve assembly includes a valve plate disposed between a cylinder body and a cylinder head, a reed valve for opening and sealing a refrigerant discharge hole formed at the valve plate, a first
- 10 stopper for resisting against a bending force of the reed valve bent when the refrigerant is discharged, a second stopper for resisting against a bending force of the first stopper by the reed valve, a keeper for limiting bending degree of the second
- 15 stopper by the first stopper, and a bolt engaged with the keeper for connecting with the stopper bent by the reed valve. When refrigerant discharge pressure is increased, the resisting force against the bending force is added by the first stopper and the second
- 20 stopper in turn, and thus compressing efficiency is increased by changing opening degree of the reed valve corresponding to the change of the pressure, and at the same time, noise can be reduced by lessening shock added to the reed valve. Moreover,
- 25 when there is an abnormal increase of the refrigerant discharge pressure, the deformation degree of the second stopper limited by the keeper can be controlled by using the bolt.

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